

California Weather-Hydro Conditions during May 2014

As of May 31, statewide hydrologic conditions were as follows: precipitation, 55 percent of average to date; runoff, 35 percent of average to date; snow water equivalent, 3 percent of average for the date (1 percent of the April 1 average); and reservoir storage, 65 percent of average for the date. Sacramento River Region unimpaired runoff, for Water Year 2014, observed through May 31, 2014 was about 6.2 million acre-feet (MAF), which is about 40 percent of average. In comparison to Water Year 2014, the observed Sacramento River Region unimpaired runoff through May 31, 2013 was about 10.6 MAF, or about 68 percent of average.

On May 31, the Northern Sierra 8-Station Precipitation Index Water Year total was 28.8 inches, which is about 61 percent of the seasonal average to date and 58 percent of an average water year (50.0 inches). During May, the total precipitation for the 8-Stations was 0.7 inches, or about 33 percent of average for the month. Last year on May 31, the Water Year 2013 seasonal total for the 8-Stations was 42.4 inches, or about 89 percent of average.

On May 31, the San Joaquin 5-Station Precipitation Index Water Year total was 19.2 inches, which is about 49 percent of the seasonal average to date and 47 percent of an average water year (40.8 inches). During May, the total precipitation for the 5-Stations was 1.0 inches, or about 56 percent of average for the month. Last year on May 31, the Water Year 2013 seasonal total for the 5-Stations was 25.9 inches, or about 67 percent of average.

Selected Cities Precipitation Accumulation as of 05/31/2014 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2013 – 2014 (in inches)	% Avg	Jul 1 to Date 2012 – 2013 (in inches)	% Avg	% Avg “Water Year” Jul 1 to Jun 30 2013- 2014
Eureka	20.76	52	31.88	81	51
Redding	17.77	52	26.88	79	51
Sacramento	9.79	53	14.98	82	53
San Francisco	12.53	53	16.46	70	53
Fresno	4.81	43	5.67	50	42
Bakersfield	2.41	38	3.15	49	37
Los Angeles	4.45	35	6.89	54	35
San Diego	5.06	49	6.50	63	49

Key Reservoir Storage (1,000 AF) as of 05/31/2014								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,196	2,114	57	2,448	49	---	1,252
Shasta Lake	Sacramento	2,177	3,901	56	4,552	48	-2,375	2,375
Lake Oroville	Feather	1,734	2,990	58	3,538	49	-1,804	1,804
New Bullards Bar Res	Yuba	645	837	77	970	67	-321	321
Folsom Lake	American	548	821	67	977	56	-429	429
New Melones Res	Stanislaus	799	1,519	53	2,400	33	-1,621	1,621
Don Pedro Res	Tuolumne	1,077	1,553	69	2,030	53	-925	953
Lake McClure	Merced	311	701	44	1,032	30	-656	714
Millerton Lake	San Joaquin	321	403	80	520	62	-200	199
Pine Flat Res	Kings	430	722	60	1,000	43	-570	570
Isabella	Kern	80	299	27	568	14	-281	488
San Luis Res	(Offstream)	848	1,617	52	2,041	42	---	1,191

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for June 2014, issued May 31, 2014, suggests no tendency for above or below average rainfall for all of California, except for the extreme northern portion of the State where below average rainfall is suggested.